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(54) **QUALITY CONTROL BIOASSAYS FOR  
NUTRICEUTICAL AND MEDICINAL  
PRODUCTS**

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claimer.

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CPC ..... **G01N 33/53** (2013.01); **C12Q 1/6897**  
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(58) **Field of Classification Search**

None

See application file for complete search history.

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#### **ABSTRACT**

Bioassays for detecting the ability of one sample of a food  
substance, nutritional supplement, therapeutic agent and/or  
disease preventive agent relative to that of a second sample of  
such a substance, supplement and/or agent to inhibit, upregu-  
late or otherwise modulate translation initiation, and thereby  
demonstrate a disease curative and/or preventive effect in a  
human and/or animal that consumes a such substance, supple-  
ment and/or agent or to whom a such substance, supplement  
and/or agent is administered are provided.

**16 Claims, 1 Drawing Sheet**